Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/10/2019 09:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125461	0	1.33	125572	1.28
Blue	F	SSC	125000	124018	-1	1.54	124800	1.55
Blue	E	FITC	16122	15727	-3	2.71	343	19.59
Blue	D	PE	29316	28967	-2	1.88	631	14.58
Blue	B	PerCP-Cy5-5	42590	41836	-2	3.67	1121	20.04
Blue	A	PE-Cy7	33146	33119	-1	6.25	631	41.60
Red	C	APC	45473	45125	-1	2.40	1595	11.99
Red	A	APC-Cy7	31961	30974	-4	2.30	819	11.89
Violet	B	V450	7914	7527	-5	4.74	420	13.61
Violet	A	V500	29769	28515	-5	4.62	661	11.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20869	3.56	609	9	N/A	N/A	Pass
Blue	F	SSC	56352	1.11	554	16	N/A	N/A	Pass
Blue	E	FITC	63	63.54	541	4	0.0216	183	Pass
Blue	D	PE	130	49.99	544	7	0.1676	278	Pass
Blue	B	PerCP-Cy5-5	207	50.86	648	10	0.0096	122	Pass
Blue	A	PE-Cy7	116	102.05	701	10	0.0104	11	Pass
Red	C	APC	378	25.72	585	6	0.0256	228	Pass
Red	A	APC-Cy7	181	28.29	561	5	0.0056	879	Pass
Violet	B	V450	63	63.54	464	4	0.0533	2485	Pass
Violet	A	V500	99	34.80	476	4	0.0204	717	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.96	-31.75	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.35	13.60 - 20.40	N/A	N/A	29.50	29.74	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13720

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments